

**Notice of Allowability**

Application No.

10/773,059

Examiner

Alexander Sofocleous

Applicant(s)

LOJEK, BOHUMIL

Art Unit

2824

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to After-Final Amendment filed March 20, 2006.
2. ☒ The allowed claim(s) is/are 1-12, 20 and 21.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_



**RICHARD ELMS**  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2800

### **DETAILED ACTION**

1. This action is responsive to the following communication: the After-Final Amendment filed March 20, 2006.
2. Claims 1-12, and 20-21 are pending in the case. Claims 1, 20, and 21 are independent claims.

### ***Specification***

3. The proposed specification corrections received on March 20, 2006 are approved by Examiner.

### ***Drawings***

4. The proposed drawings corrections received on March 20, 2006 are approved by Examiner.

### ***Response to Arguments***

5. Applicant's arguments filed March 20, 2006 with respect to the rejection claim 21 (Gerber et al.) has been fully considered and is persuasive (see Applicant's Arguments page 10, line 28-29). The rejection of claim 21 has been withdrawn.

### ***Allowable Subject Matter***

6. **Claims 1-12, and 20-21 are allowed.**

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7. The following is an examiner's statement of reasons for allowance:

**With respect to independent claim 1**, the following is an examiner's statement of reasons for allowance: There is no teaching or suggestion in prior art to provide a poly plate, connected to a memory transistor and current injector in different rows, that is capacitively coupled to a word line.

**With respect to independent claim 20**, the following is an examiner's statement of reasons for allowance: There is no teaching or suggestion in prior art to provide a poly plate, connected to a memory transistor and current injector in different rows, that is capacitively coupled to a word line.

**With respect to independent claim 21**, there is no teaching or suggestion in prior art to a single word line selecting two memory cells where simultaneously a write operation is performed on the first cell and an erase operation is performed on the second cell.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Wong et al. (U.S. Patent 5,949,716), Takashina et al. (U.S. Patent 5,959,887), and Kowalski (U.S. Patent 6,212,105).

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Wong et al. show a memory device allowing for writing to be performed on one sector of memory while preparing another sector.

Takashina et al. show a flash memory with memory cell arrays divided into blocks that can perform an erase operation on one block while reading or writing to another block.

Kowalski shows simultaneously programming the memory cells of one word line and erasing the memory cells of another word line.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander Sofocleous whose telephone number is 571-272-0635. The examiner can normally be reached on M-F 7:00am - 4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Elms can be reached on 571-272-1869. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AGS



ATM-275

# REPLACEMENT SHEET

1/7

APPROVED  
AGS 3/29/2006

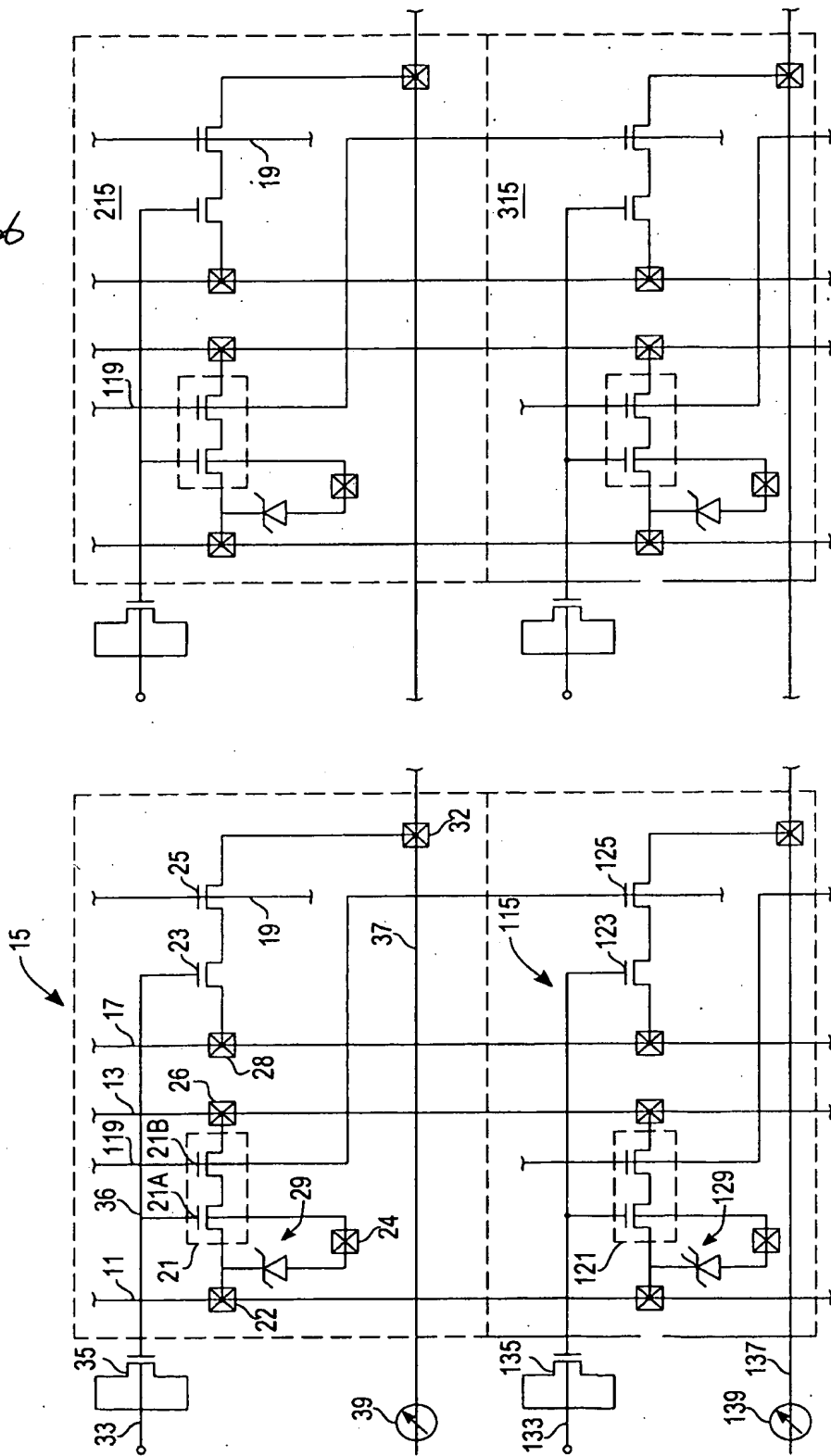


Fig. 1